

	N.NAZEYYA ANJUM (SECT13EC01) nazeevaanjum.ece@sairam.edu.in			
Designation:	ASSOCIATE PROFESSOR			
Qualification:	M.E; (Ph.D)			
Area of specialization:	ANTENNAS, EMBEDDED SYSTEMS, PHOTONIC SENSORS			
Experience : (As On NOV2022)	Industrial Experience		Teaching Experience	
	NIL		25	
Number of workshop / FDP attended:	Number of Workshops		Number of FDPs	
	18 + 10 (online certification) + 7 (webinars)		25	
Publications:	Conference		Journal	
	National	International	National	International
	4	9	3	12
Patents:	National		International	
	4		-	
Professional Body Membership:	Life Member of Indian Society of Technical Education (ISTE) Membership no: LM 131455 Institute of Electrical & Electronics Engineer (IEEE) Membership no: 98089754 International Association Of Engineers (IAENG) Membership no:278111			

Staff Achievements:

Appreciated for the role of Guide / Mentor for the winning team of International Build2Gether AI hackathon held at Sri Sairam Institutions cosponsored by NTU Singapore and ETU Zurich Switzerland from 18.02.2026 to 20.02.2026.

Acted as Jury member to the Innova TN25 – as a part of the state level ATL Innovation Challenge on 08.11.2025

Recognised as a reviewer in International conference on 5th International Conference on Computing and Communication Technologies (ICCCT'25).

Successfully completed NPTEL Domain certification – Faculty Advanced during April 2025.

Appreciated as Motivated Learner by NPTEL during July – December 2025.

Was Awarded as NPTEL Believer during July – December 2024.

Received Certificate of Participation from TN government for being a faculty mentor in Niral Thiruvizha (Hackathon) organised by Tamilnadu Skill development Corporation during December 2024.

Delivered a Guest Lecture on Signals of Success – Exploring ECE Horizons at Saveetha Engineering College on 26.04.2024

Recognised as a reviewer in International conference on Advances in Computational Intelligence and Communication (ICACIC 2023) held at Pudhuchery Technological University during December 2023.

Successfully completed 8 Modules of National Initiative of Technical Teachers Training (NITTT) and obtained AICTE certification on September 2023.

Appreciated for the role of Mentor / Supervisor for winning team of South Indian Hackathon Fest – 2022 . The Team SENTER won a whopping cash of one lakh from AICTE India and stood First under software category for the project Fortified Security System.

Appreciated for the role of Mentor / Supervisor for winning team of Sairam SDG Solvethon 1.0 for the project titled Battery Life Cycle Improver using Node MCU & Relay.

Coordinated an event “Awareness on SIH “ on 28.09.2022

Authored a book chapter Design of practical miniaturized antenna to support IOT applications for the book Antenna design for Narrowband IOT: Design, Analysis & Applications, published by IGI Global publishers.

Appreciated for the role of Mentor for ATL Tinkerpreneur 2021 by AICTE

Coordinated Value added program Embedded Protocol Developer during 29.09.2021 – 01.10.2021.

Recognized as Student Chapter Advisor for IEEE – Instrumentation & Measurement society and organised Webinars & Seminars for the students under the Chapter.

Coordinated Training on AutoCAD – event organized by Robotics club of SSEC from 10.12.2020 & 11.12.2020

Appreciated for the role of mentor by IIT Madras for the NPTEL online certification course “Effective Engineering Teaching in Practice” during July – December 2024

Certified as Topper in the NPTEL online certification course “Antennas” conducted by IIT Madras during Jan’18 – Apr’18 and secured a consolidated score of 81%.

Gave a Guest Lecture in Faculty Development Programme on “EC6651 – Communication Engineering” on 13th November 2017 at Valliammai Engineering College. Katankulathur, Chennai.

Gave a Guest Lecture in Faculty Development Programme on “EC6651 – Communication Engineering” on 13th November 2017 at Valliammai Engineering College. Katankulathur, Chennai.

Coordinated Anna University Sponsored Seven Day FDTP programme on “EC6702 – Optical Communication & Networks” from 31st May to 7th June 2017.

Consistent winner of cash award for producing 100% results for three consecutive years from 2013 to 2016.

Received Award of Excellence from management of Dr. M.G.R University and Research Centre, for producing good results for the Subject “Antennas & Wave propagation” on 5th Sep 2011.

Workshop Details:	Sl. No.	Title	Venue	Month/ Year
	1	Panchayat administration and Rural Development – Certification Course	SIRD – Govt of TN	October 2025
	2	Two days workshop on Fiber Optic Silulation Tools	VIT University	16.03.2023- 17.03.2023
	3	Industrail Visit / Training – RF circuits & components – Design & Manufacturing	Urjita Electronics , MPEZ , Chrompet.	17.09.2022
	4	Six days QIP (AICTE) sponsored short term course on Components of Research process in Engineering.	IIT , Nagpur	20.2.2022 - 25.2.2022
	5	Three weeks KALAM Internship on Wearable Antennas by Tesla Minds	Tesla Minds	12.10.2020 - 30.10.2020
	6	STTP (AICTE Sponsored) Research areas in Smart Antenna design for cubesat applications	Sri Sairam Institute of Technology.	31.10.2019 - 06.11.2019.
	7	Industrial Training for staff on Ventilators	Airliquide Systems, Thoraipakkam, Chennai	28.12.2018
	8	Hands on Training on RF circuits & Antennas	S.A. Engineering College	27.11.2017 - 29.11.2017
	9	Faculty Enablement program on “A Step Ahead to Outcome based Accreditation”	Sri Sairam Institute of Technology.	3.8.2015- 5.8.2015
	10	Quality Management System & Audit training	Sri Sairam Engineering College	4.4.2015
	11	ISTE sponsored STTP on Recent Trends and issues in wireless netwoks.	Sri Sairam Engineering College	1.10.2014

	12	NCACCT- 14	Sri Sairam Engineering College	11.04.2014
	13	MISSION 10X High Impact Teaching Skills, by Dale Carnegie Associates & Wipro	Dr. M.G.R University	1.5.2012-5.5.2012
	14	Emerging Trends in optical Network Technologies	VIT Chennai	20.01.2012
	15	PLC Programming	Dr. M.G.R University	29 th Jan 2011
	16	Wireless Sensor Network & its Application	B.S.Abdur Rahman University	4 th & 5 th Aug 2010
	17	Recent trends in Embedded Systems	Aalim Muhammed College of Engineering	9 th Oct 2004
	18	Virtual Instrumentation	National Instruments Bangalore	25 th Sep 2004

FDP Details:	Sl. No.	Title	Venue	Month/Year
	1.	Leveraging Explainable AI to enhance Communication Svstems, Signal and Image Processing.	IEEE Madras section , hosted by Sri Sairam Institutions	17.11.2025 - 22.11.2025
	2.	National level FDP on Enhancing Research & Innovation Funding	IIEC , VIT _ AP University	07.04.2025 – 11.04.2025
	3.	Cloud Computing & AI Integration	School of Computing, Sathyabama University	
	4.	Designer Learner – Centeric MOOC	NPTEL _ IIT	10.02.2025 – 14.02.2025
	5.	Effective engineering Teaching in Practice	NPTEL _ IIT	Jan – March 2025
	6.	Outcome based Pedagogic Principles for Effective Teaching	NPTEL _ IIT	Jan – Feb 2024 Feb – March 2024
	7.	UHV – II by AICTE	Sri Sairam Engineering College	23 rd -27 th January 2024

	8.	Research Trends in Optical & Bio photonics	VIT Chennai	16 th – 20 th February 2024
	9.	Five days AICTE sponsored FDP on Quantum Computing and its Future Scope	Sri Sairam Engineering College	18 th -26 th December 2023
	10.	IEEE – SPS Seasonal School on Optical Signal Processing for Communication, Computing & Sensing	Sri Sairam Engineering College	06 th – 10 th March 2023
	11.	Five days FDP on Reserach trends in Optical Technologies and its Application – RTOTA 23	Vellore Institute of Technology , Chennai	05 th – 09 th Jan 2023
	12.	Components of Research Process in Engineering 6 Days QIP (AICTE) Sponsored Short Term Course (Online Mode)	Indian Institute of Information Technology, Nagpur	February 20-25, 2022
	13.	Five days AICTE sponsored FDP on Developing Effective Research Skills	PES College of Engineering	9.8.2021 – 13.8.2021
	14.	Five days AICTE sponsored FDP on Wearable devices & Antenna Technologies for IOT, Mobile & Telemedicine	Saveetha Engineering College	5.7.2021 – 9.7.2021
	15.	Five days AICTE sponsored FDP on Software Robots & Automation	Bharatiyar Cenetary memorial Government Womens polytechnic College	7.6.2021 – 11.6.2021
	16.	Five days AICTE sponsored FDP on Inculcating Universal Human Values in Technical Education	AICTE	8.3.2021 – 12.3.2021
	17.	Five days AICTE sponsored FDP on Biomedical Instrumentation & IOT	Krishna College of Technology	21.9.2020 to 25.9.2020
	18.	Five days AICTE sponsored FDP on wearable Devices	Kongu Engineering College	14.9.2020 to 18.9.2020
	19	One week online Certificate Course on Digital Teaching Techniques.	Online Conducted by, ICT Academy	29.6.2020 – 04.07.2020
	20	Two week FDP on Recent trends in Information , Computing Communication and Teaching Methodology Competency	Online Sponsored byMHRD , Conducted by SriSairam Engineering College	04.05.2020 - 17.05.2020

	21	Entrepreneurship career development program	Sairam Institute of Management Studies	10 April 2019 – 12th April 2019
	22	Attended FDP on “ Engineering Teaching Pedagogy and effective Learning Process	Sri Sairam Engineering College	3.12.2018 – 7.12.2018
	23	Guest Lecture in FDP on “EC6651 - Communication Engineering”	Valliammai Engineering College	13.11.2017
	24	Coordinated Anna University Sponsored Seven Day FDTP programme on “EC6702 Optical Communication & Networks”	Sri Sairam Engineering College	31 st May to 7 th June 2017
	25	Foundation skills in Information Technology, conducted by ICT Academy of Tamilnadu in association with NASSCOM	Dr. MGR University	10 th to 14 th Dec 2012

Certificate Courses Details:	S. No	Title	Offered by	Certificate date
	1.	NPTEL – Domain Certification in Faculty domain Advanced	IIT	December 2024
	2.	NITTT – National Initiative for Technical Teacher’s training – 8 Modules	AICTE	September 2023
	3	CST Antenna design	Udemy	24.05.2021
	4	Smithchart Mastery	Tesla Minds	01.11.2020
	5	The Sustainable development Goals –A global Transdisciplinary vision for Future	Four week course authorized by John Hopkins University. Copenhagen, offered by Coursera.	04.09.2020
	6	The Data Scientist ‘sToolbox	Four week course Authorized by John Hopkins University offered by Coursera	27.05.2020
	7.	Introduction to Data Analysis using Excel	Four week course Authorized by RiceUniversity offered by Coursera	12.05.2020
	8	Foundation Artificial Intelligence	Industry approved & Validatedcourse – 4 weeks by Skillup – NASSCOM Foundation AI Curriculum	28.04.2020
	9	Introduction to Dataanalytics	Self-Paced course , by Simplilearn by Simplilearn NASSCOM – Future Skills	09.04.2020
	10	Introduction to Artificial Intelligence	Self-Paced course , by Simplilearn by Simplilearn NASSCOM – Future Skills	01.04.2020

Conferences Details:	S. No	Title	Venue	Date
National:	1.	Solar powered multipurpose incubation system using arduino	Dr MGR University	17.5.2021 – 18.5.2021
	2.	Skin cancer detection using Adaptive Mean Shift Algorithm	Rrase College of Engineering.	24 th March 2018
	3.	Integrated Multi parameter wireless portable recording system	Sethu institute of technology	16.03.2006 – 18.03.2006
	4.	Advanced identification of Fingerprint recognition system	Aalim Muhammed Salegh college of engineering	9 th Oct 2004
International :	1.	Wifi - Controlled Data Logger for Food Safety	<i>2025 International Conference on Computing and Communication Technologies</i>	April 2025
	2.	Dynamic mapping in Confined Spaces – Robotic SLAM with Human detection & Path Planning	Internation Conference on Automation , Computing & renewable Systems – Mount Zion Pudukottai	11 th –13 th Dec 2023
	3	Progress of photonic crystal based gas sensors in the field of Biosensing – A Review	International Conference on Smart and AI Technologies for Suitanable development – NorthCapetown University Gurgoan	12 th - 13 th Sep 2023
	4	A novel approach in the development of an application to enhance the conventional attendance system using opencv	International Conference for Women in Multifaceted Research (ICWMR)-2021	8.3.2021- 9.3.2021
	5	Parametric analysis of a small button shaped antenna camouflage with fabrics for body wearable applications.	IC3IOT -2022 , Sri SairamEngineering	10.3.2021 – 11.3.2021
	.6	Augmented Security System for Commercial buildings by manipulating Object detection & Admin	IC3IOT -2022 , Sri SairamEngineering	10.3.2021 – 11.3.2021
	7	Electric Driverless Smart Car	IC3IOT , Sri Sairam Engineering	20.02.2020 – 22.02.2020
	8	Implementation of Health-IOT System Using Unobtrusive Bio- Sensor	Meenakhi Engineering College	02. 04. 2016.
	9	Standalone hybrid Solar - Wind Power generation System	Saveetha Engineering College	06.04.2016 – 08.04. 2016

	Sl. No	Title	Journal Name	Volume/Date
Journal Detail	1.	“Simulation and Design of Low Noise Amplifier”	International Journal of Innovative Technology and Exploring Engineering – IJITEE,	indexed by Scopus, Online ISSN: 2278-3075, Volume-9, Issue-1, Nov 2019, pages – 2968 - 2970.
	2.	IOT Based Health Monitoring System	International Journal of Research and Analytics Review – IJRAR,	E-ISSN 2348-1269, P-ISSN 2349-5138, UGC approved journal, Volume-6, Issue-3, June 2019, pages 37- 40 Online ISSN: 2349- 2260
	3.	Design of Micro strip Patch Antenna for 2.45 GHz Wireless Applications	Journal of Recent Research in Engineering and Technology – JRRET	JRRET Impact Factor: 2.16 Vol.2 No.4 (April 2015)
	4.	A Novel Approach to Implement Geo-informatic Ambulance Aiding in Faster Transport with ADAS	Studies in Indian Place Names (UGCCare Journal)	ISSN: 2394- 3114, Vol-40, issue1(s1), January 2020, Pages 47 – 53.
	5.	Design of Microstrip patch antenna with slotted ground and patch to support multiband applications	Journal of Xi'an University of Architecture & Technology	Online ISSN No: 1006-7930, Volume-12, Issue-12, December 2020, Page No – 64-70.
	6.	Ethanol Concentration Detector with Statistical Logger Using Iot Cloud Service	European Journal of Molecular & Clinical Medicine	Online ISSN No 2515-8260, Volume 9, Issue -7, pages 5593-5599
	7.	Design of a Practical Miniaturized Antenna to Support IoT Applications	Design for Narrowband IoT: Design, Analysis, and Applications	IGI Global, 2022, pp. 72-91. https://doi.org/10.4018/978-1-7998-9315-8.ch006
	8.	A Study on Segmenting Brain Tumor MRI Images	Journal of Computational Science & Intelligent Technologies	eISSN: 2582-9041 Volume 2, Issue 1 pages: 01 –06, October 2021

	Sl. No	Title	Journal Name	Volume/Date
Journal Detail	9.	IoT based Health Monitoring System with Voice Control Module	i-manager's Journal on Mobile Applications and Technologies	Vol. 7, Iss. 2, (Jul/Dec 2020): 32- 40. DOI:10.26634/jmt.7.2.18205
	10.	Design of Microstrip patch antenna with slotted ground and patch to support multiband applications	Journal of Xi'an University of Architecture & Technology	ISSN No : 1006-7930 Volume XII, Issue XII, 2020, Page No: 64-70
	11.	A novel approach in the development of an application to enhance the conventional attendance system using opencv	Multidisciplinary Researches during Covid Era- Book Chapter	ISBN: 978-81-952196-0-5, Pages 93-97
	12.	Smart sensors for smart city environmental monitoring systems, Editor(s): Tuan Anh Nguyen, Voice Operated Intelligent wheel chair.	Digital Twin, Blockchain, and Sensor Networks in the Healthy and Mobile City, Elsevier, 2025,	Pages 17-33, ISBN 9780443341748, https://doi.org/10.1016/B978-0-443-34174-8.00003-X .
	13.	Smart Mining: Integrating Internet Of Things (IoT) For Improved Coal Mine Safety	<i>International Conference on Power, Energy, Control and Transmission Systems (ICPECTS)</i> , Chennai,	2024, pp. 1-4, doi: 10.1109/ICPECTS62210.2024.10780324.
	14	A comprehensive study of 2D photonic crystal waveguide as refractive index sensor	Nanobiotechnology reports	Volume 19 - issue 1, Pages 59 - 66
15	Progress of photonic crystal based gas sensors in the field of biosensing — A review,”	<i>Proc. Smart & AI Enabled Technology for Sustainable Development (SAIT 2023)</i> , Lecture Notes in Electrical Engineering,	vol. 1452, P. Sabherwal et al., Eds. Singapore: Springer, 2026, pp. 451–463, doi: 10.1007/978-981-96-9370-2_34.	

Patent Detail				
	1.	VOICE OPERATED INTELLIGENT WHEELCHAIR	Indian Patent Office Chennai.	Application number 202041054210 A
	2.	Fortified Security System	Indian Patent Office Chennai.	Application number 202241074781 A
	3.	The System of User Preferred variable Voice and Text from Sign language and its method thereof	Indian Patent Office Chennai	Application number 202241083964 A
	4.	Intelli home – A Smart Predictive maintenance System for Household utilities and Activities	Indian Patent Office Chennai	Application number 202541046809 A

Additional Details

- ✓ Have guided many projects in under graduate level.
- ✓ Appreciated for the role of mentor by IIT Madras for the NPTEL online certification course “Effective Engineering Teaching in Practice”.
- ✓ Certified as Topper in the NPTEL online certification course “Antennas” conducted by IIT Madras during Jan’18 – Apr’18 and secured a consolidated score of 81%.
- ✓ Produced 100% result in the University Examination held during Apr – May 2018, Nov- Dec 2014 and Nov – Dec 2013.
- ✓ Was awarded ‘Award of Excellence’ in Dr. M.G.R University for producing consecutive 100% results in the subject Antennas & Wave propagation.
- ✓ Have organized technical symposium ‘KALAM -12’ in Dr. M.G.R University in 2012.
- ✓ Have actively co-ordinated many technical and non –technical event
- ✓ Received Certificate of Participation from TN government for being a faculty mentor in Niral Thiruvizha (Hackathon) organized by Tamilnadu Skill development Corporation during December 2024.
- ✓ Was Awarded as NPTEL Believer during July – December 2024
- ✓ Appreciated as Motivated Learner by NPTEL during July – December 2025.
- ✓ Acted as Jury member to the Innova TN25 – as a part of the state level ATL Innovation Challenge on 08.11.2025
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